

Fig 10: Sheet Brightness results for TiSil and PCC(HO)

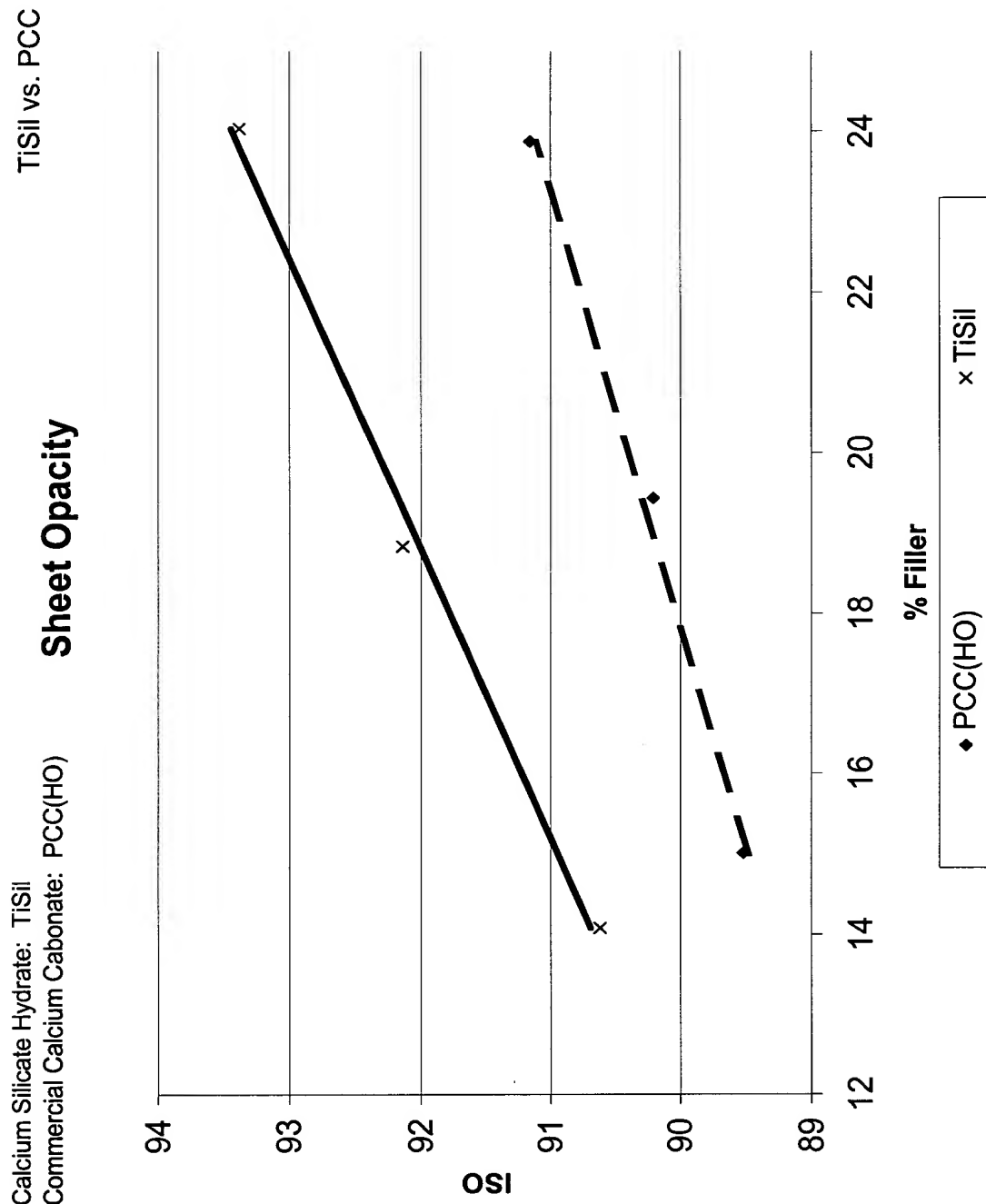


Fig 11: Sheet Opacity results for TiSil and PCC(HO)

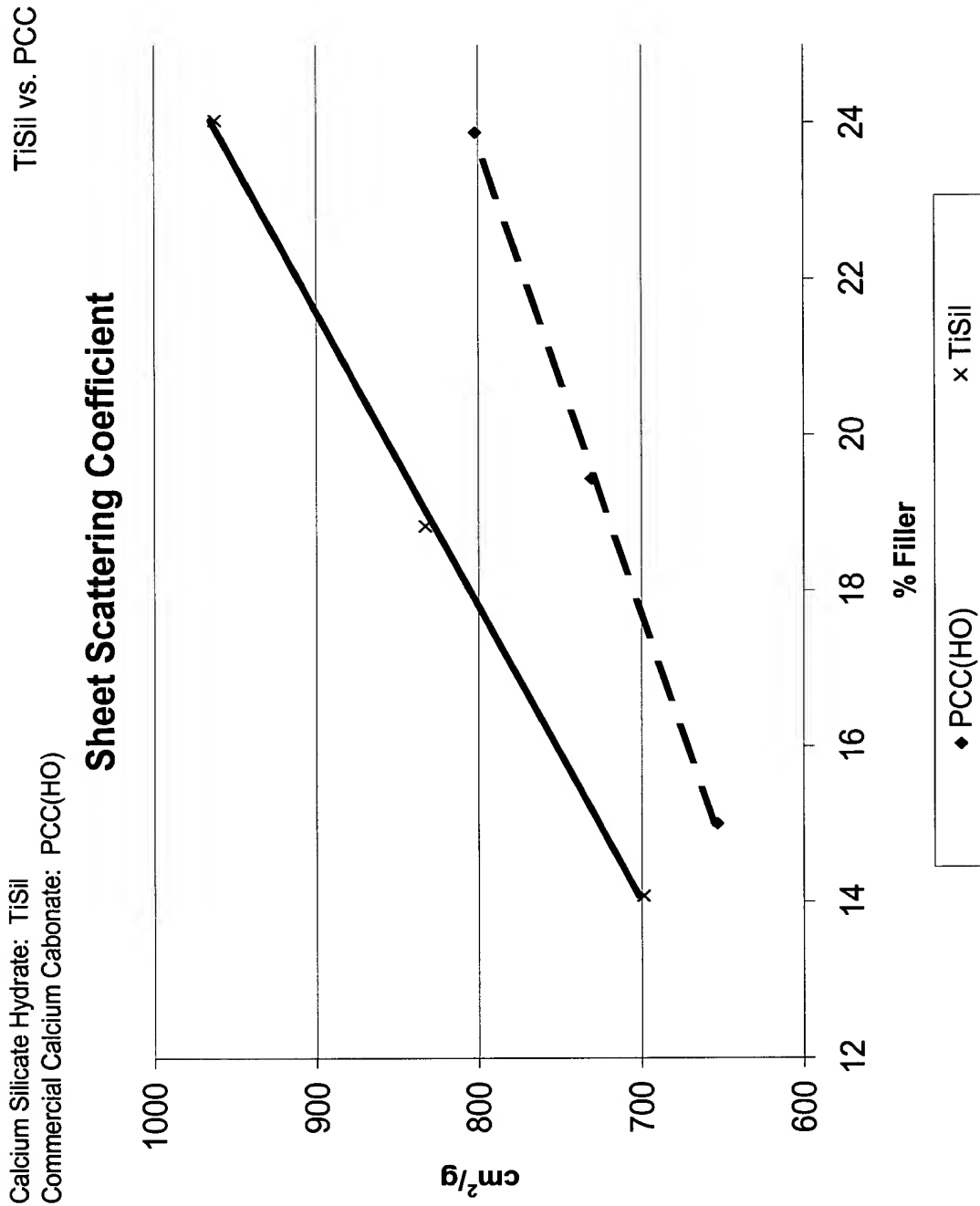


Fig 12: Sheet Scattering Coefficient results for TiSil and PCC(HO)

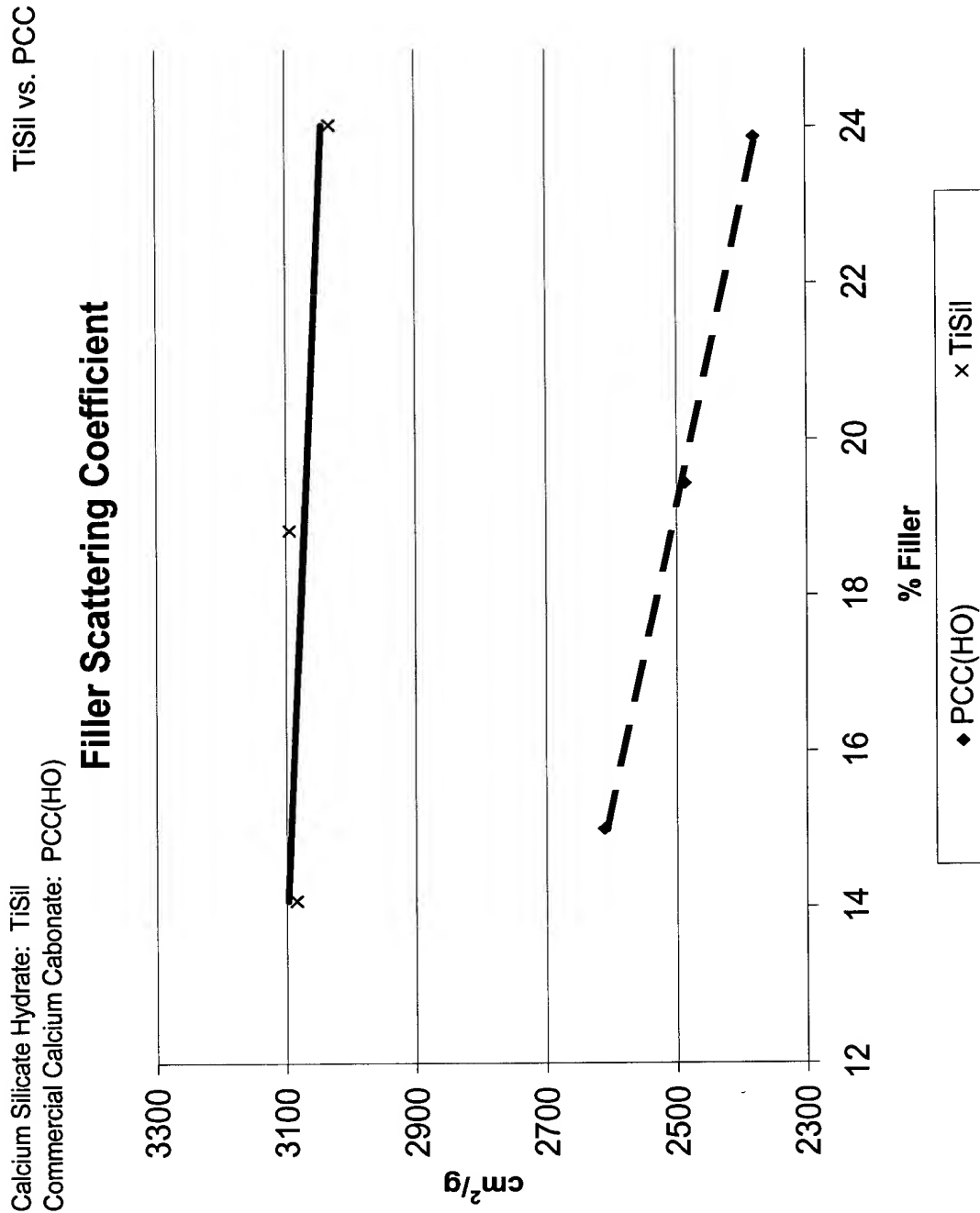


Fig 13: Filler Scattering Coefficient results for TiSil and PCC(HO)

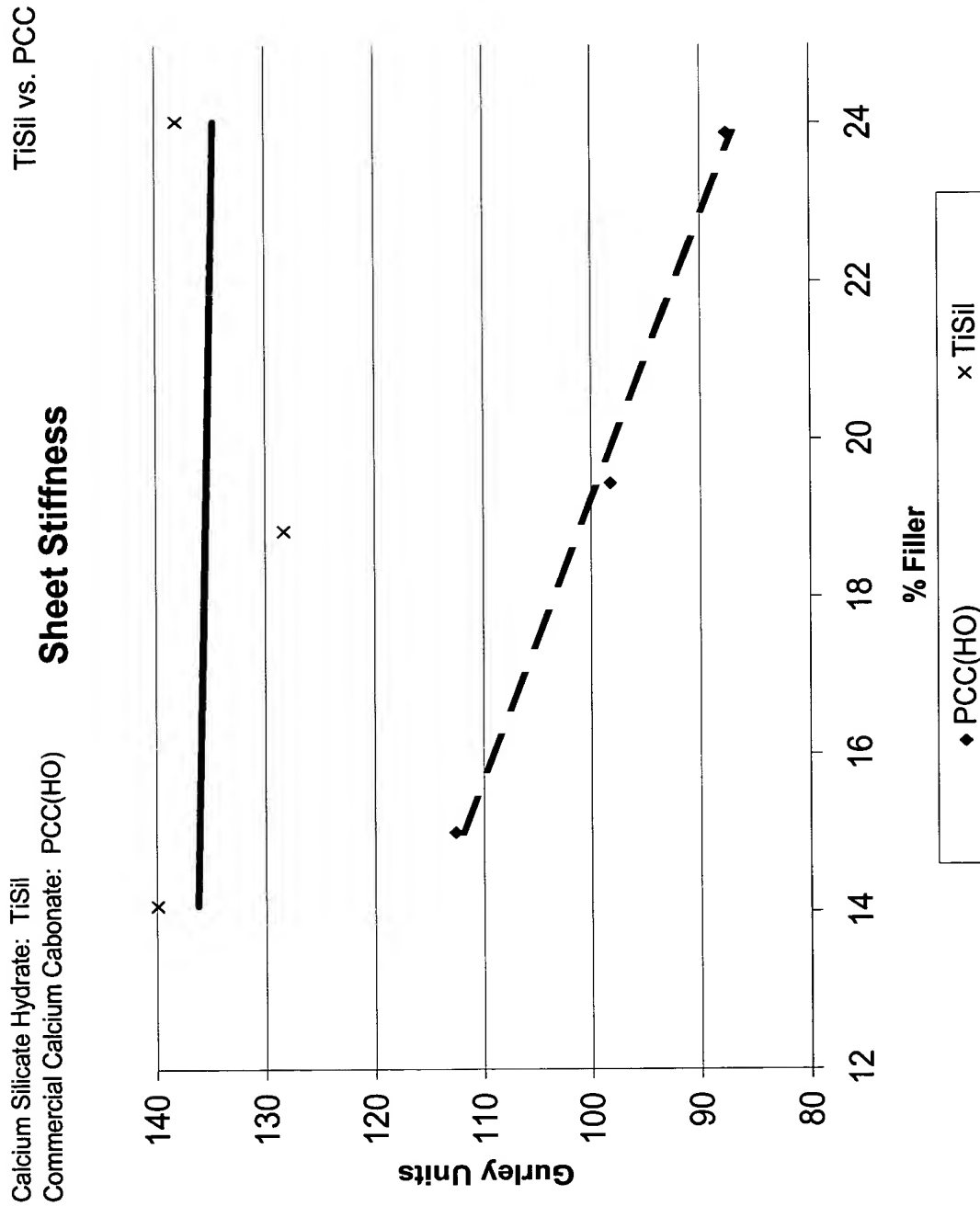


Fig 14: Sheet Stiffness results for TiSil and PCC(HO)

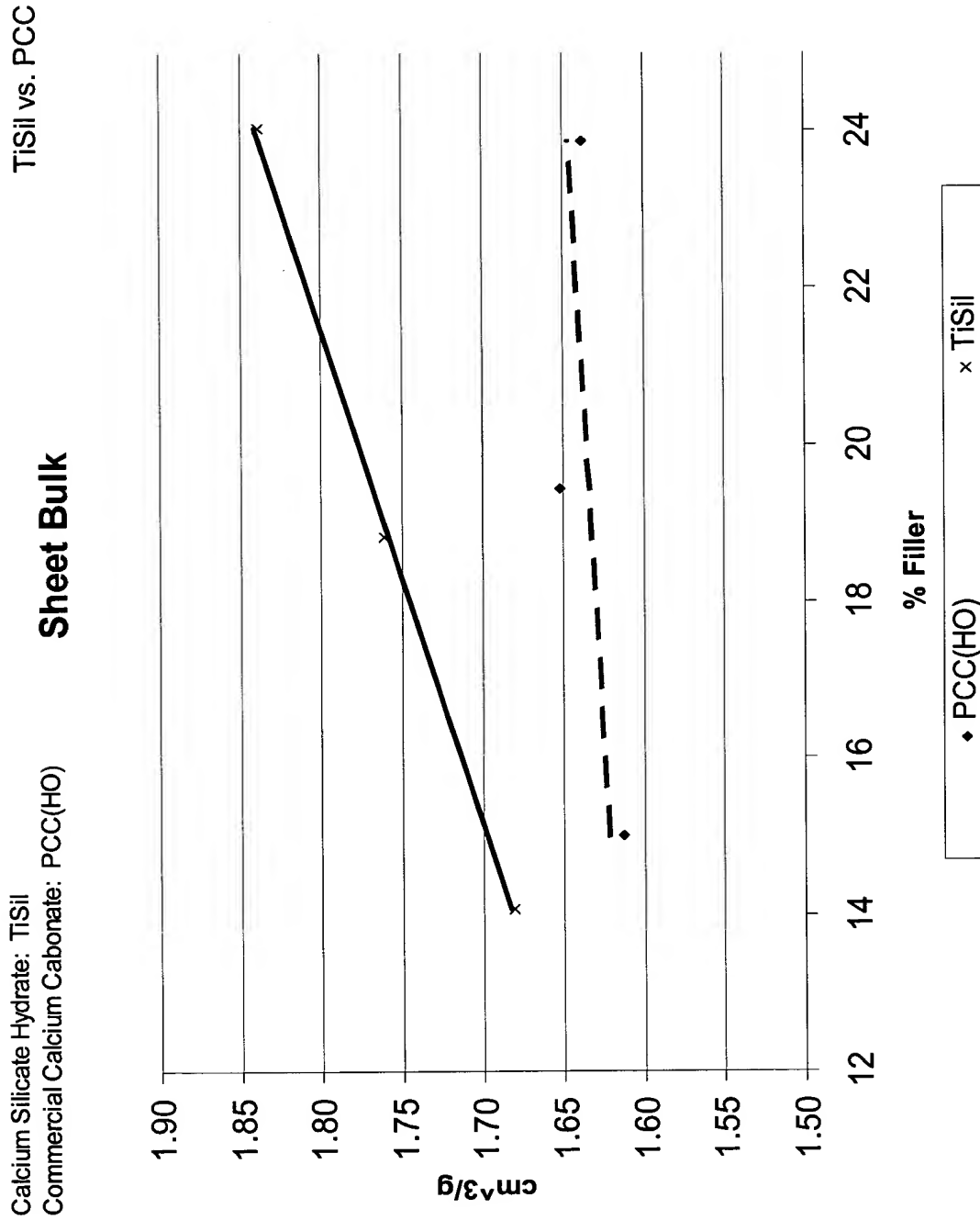


Fig 15: Sheet Bulk results for TiSil and PCC(HO)

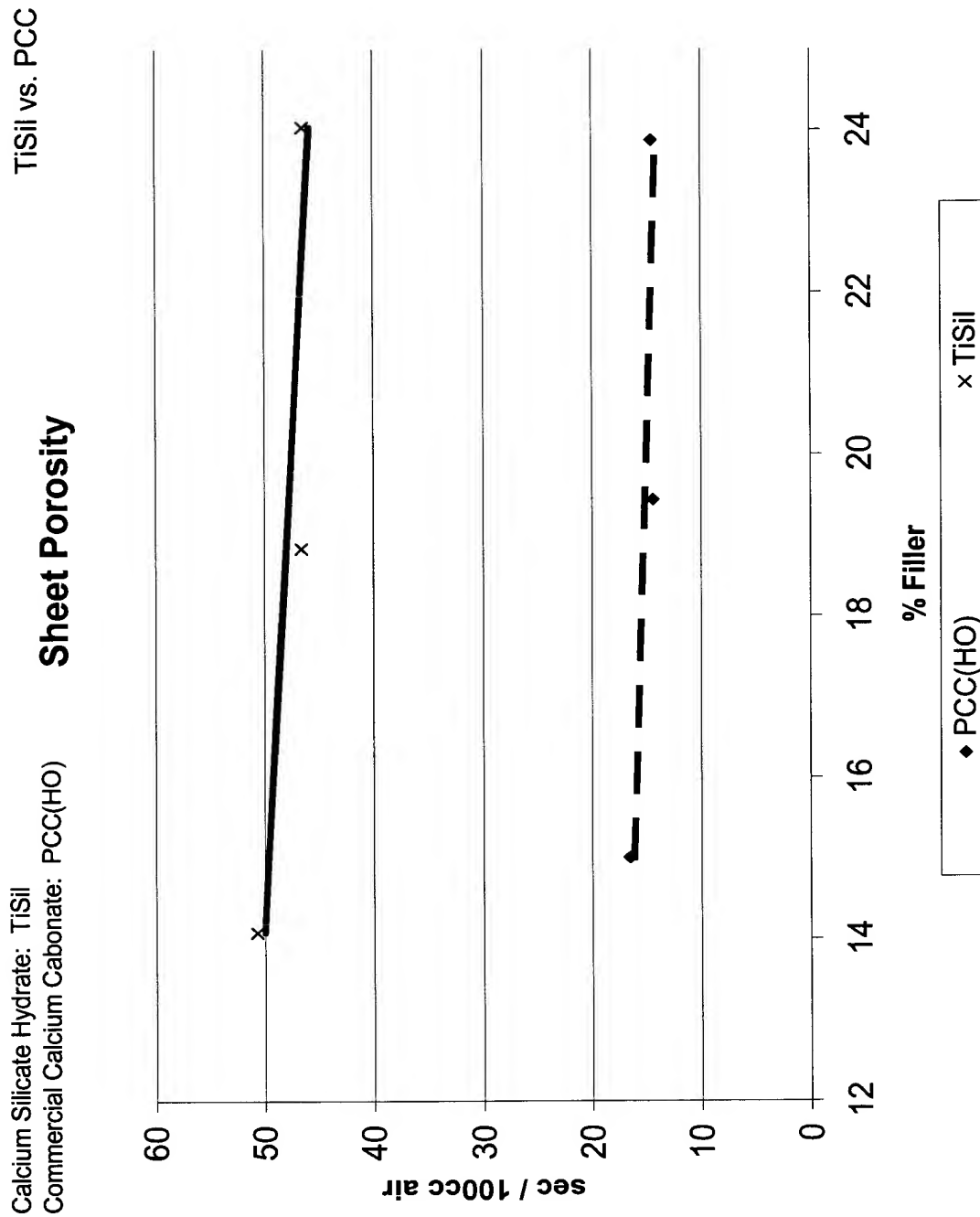


Fig 16: Sheet Porosity results for TiSil and PCC(HO)

Calcium Silicate Hydrate: TiSil
Commercial Calcium Carbonate: PCC(HO)

TiSil vs. PCC

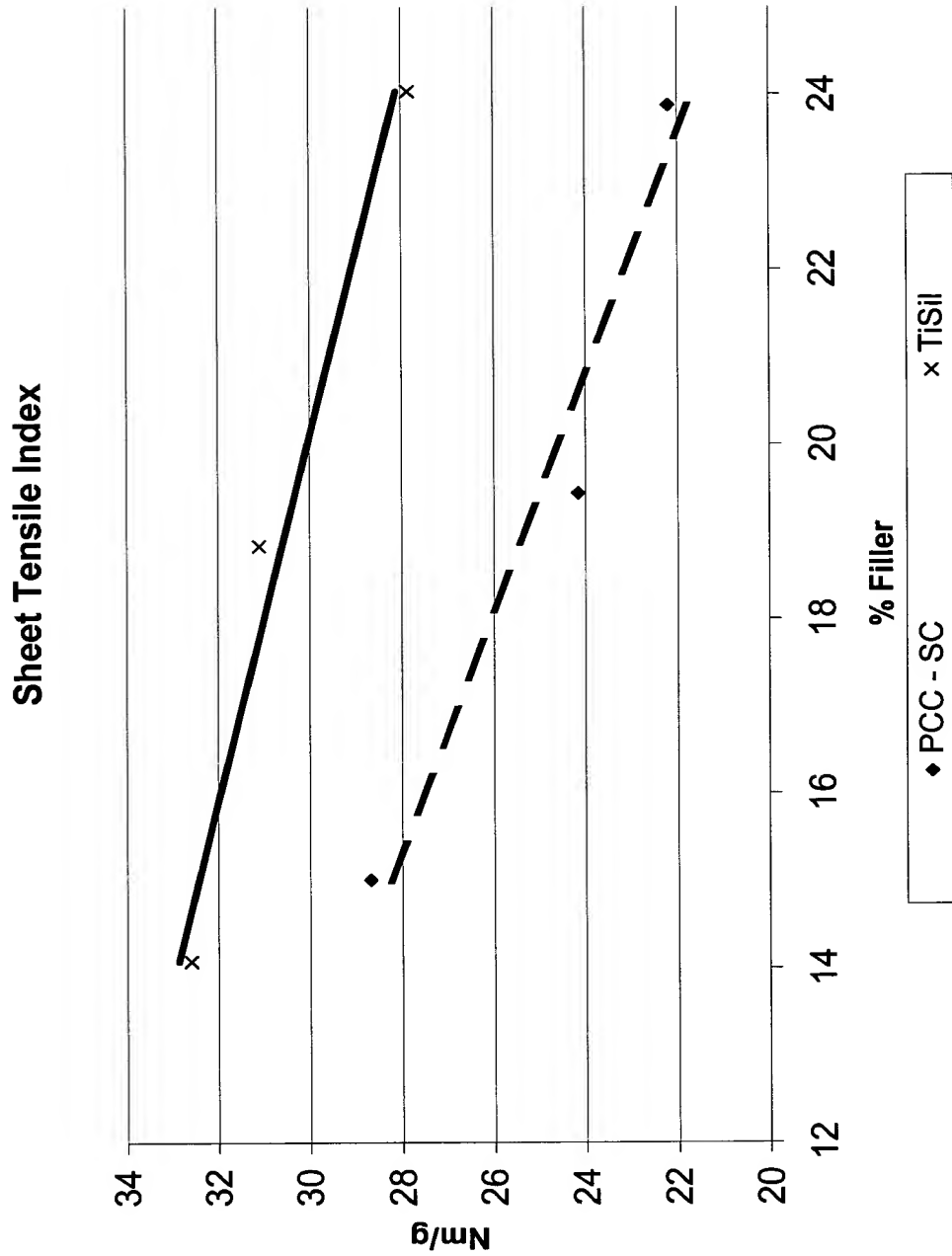


Fig 17: Sheet Tensile Index results for TiSil and PCC(HO)

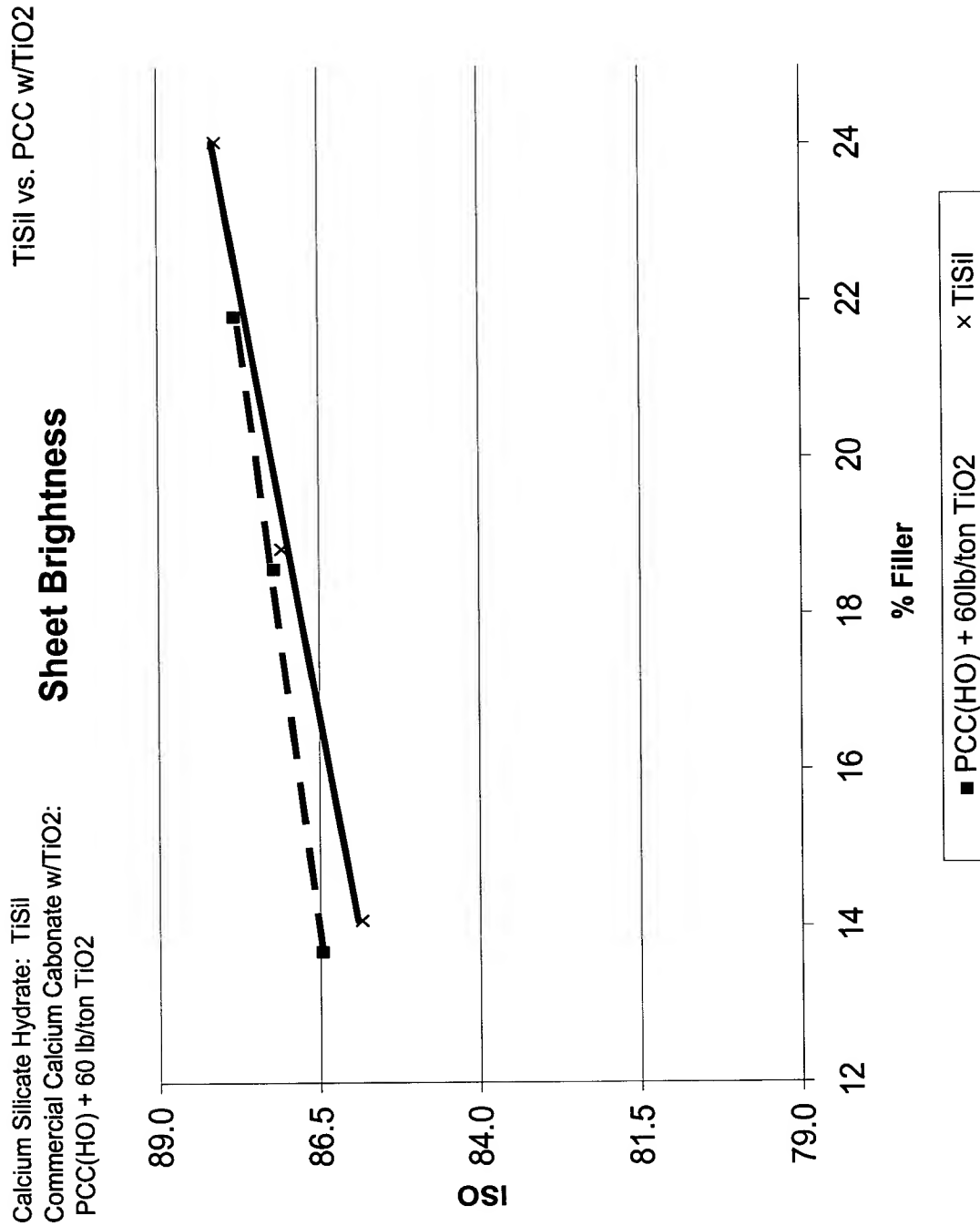


Fig 18: Sheet Brightness results for TiSil and PCC(HO) w/TiO₂

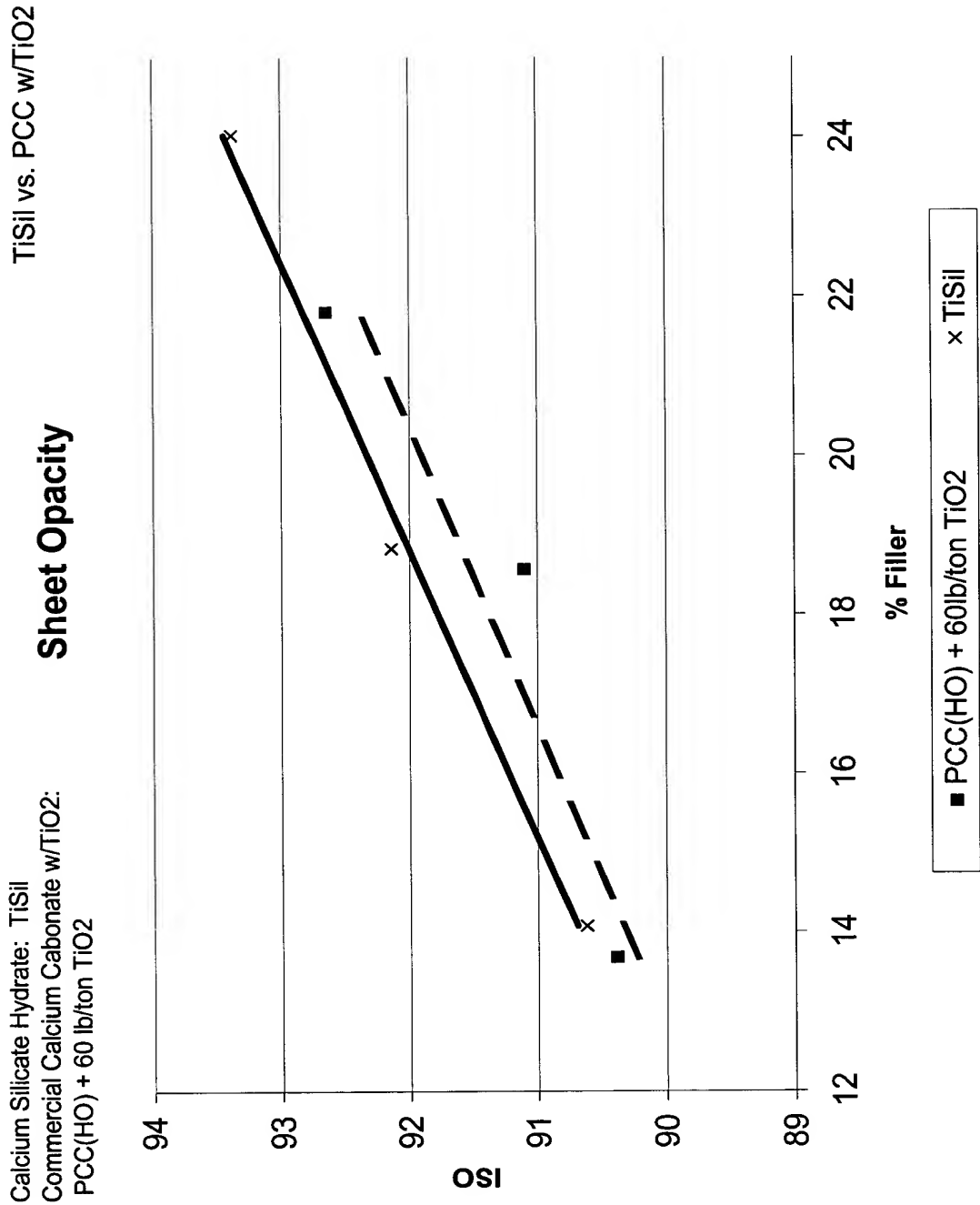


Fig 19: Sheet Opacity results for TiSil and PCC(HO) w/TiO₂

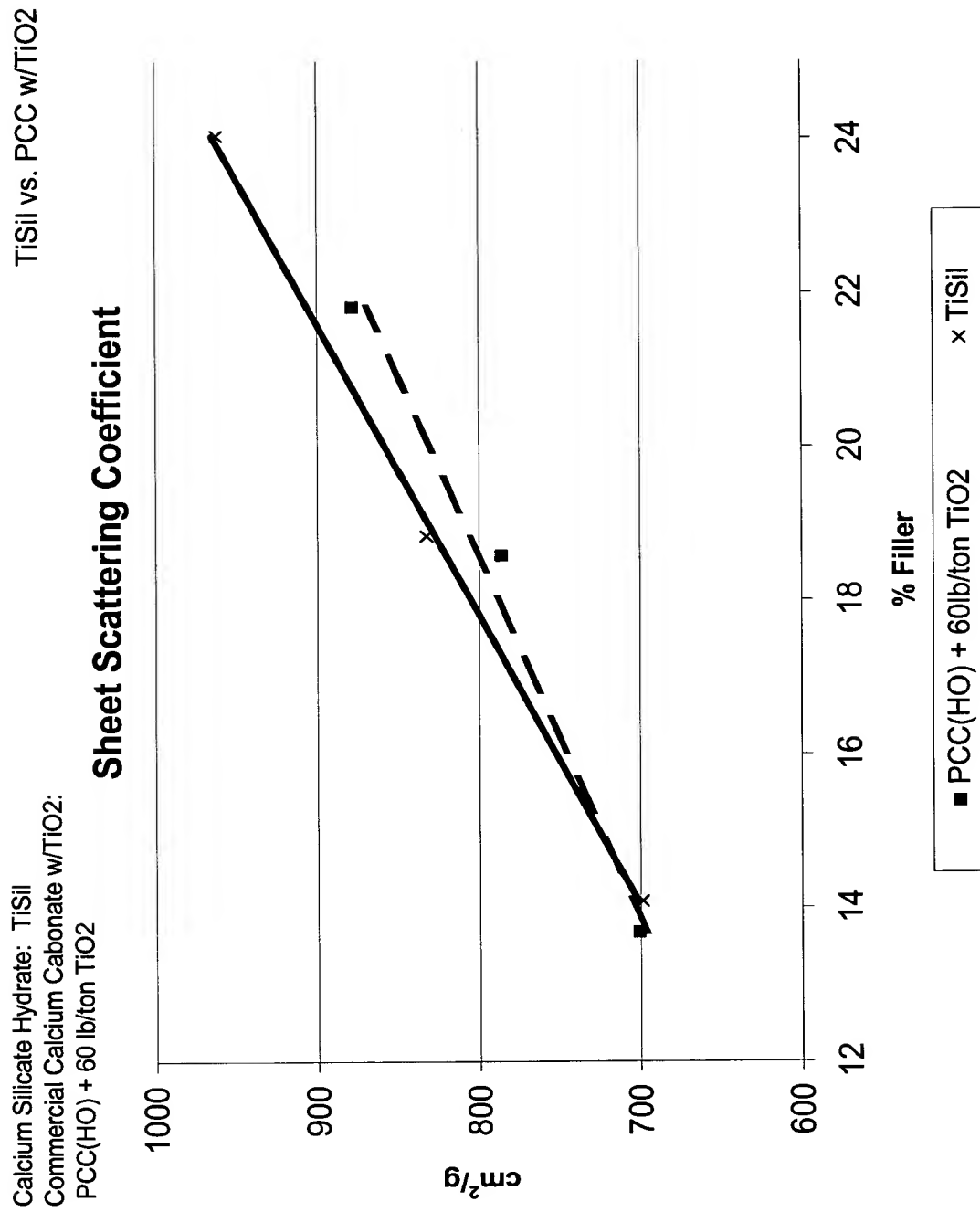


Fig 20: Sheet Scattering Coefficient results for TiSil and PCC(HO) w/TiO₂

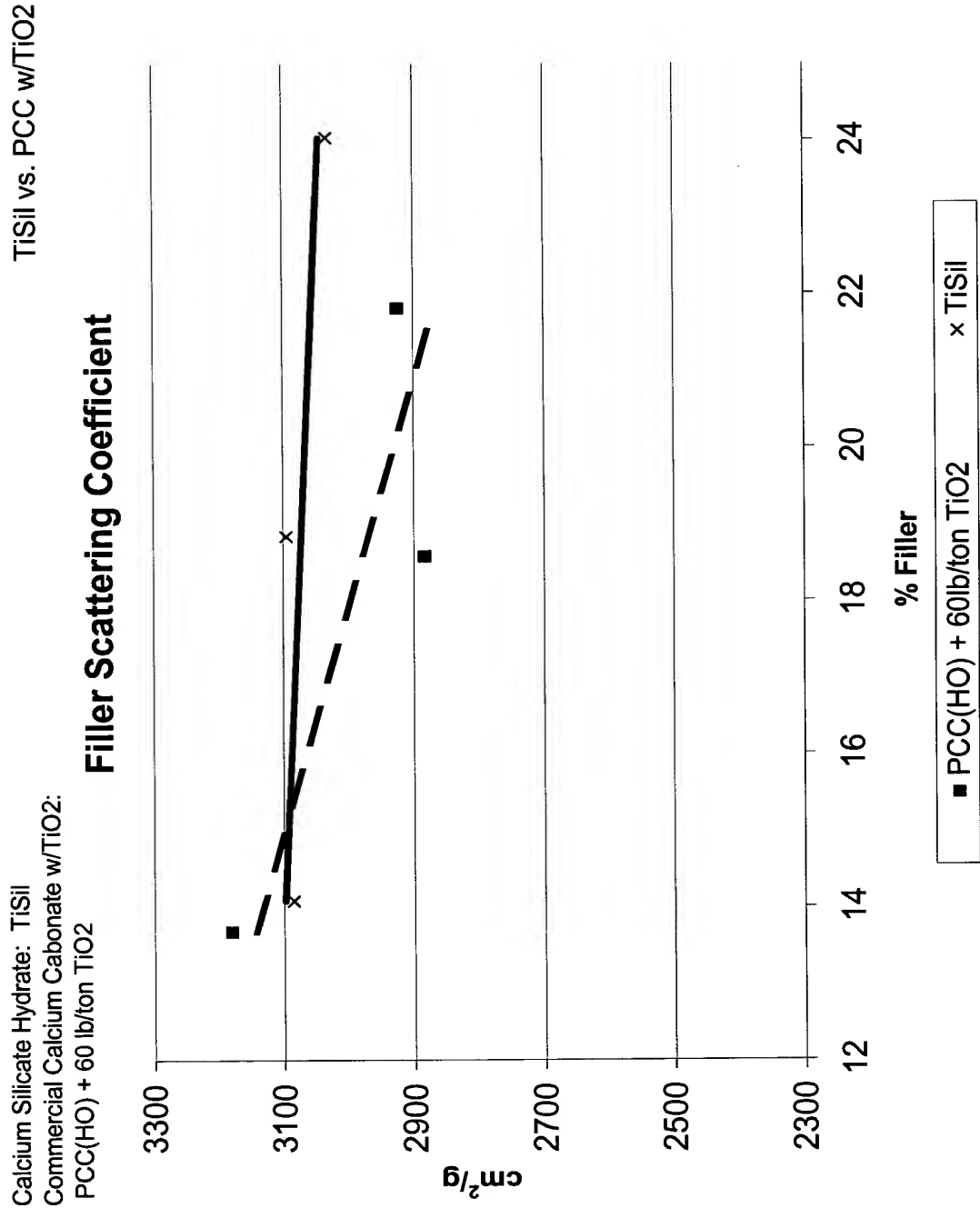


Fig 21: Filler Scattering Coefficient results for TiSil and PCC(HO) w/TiO₂

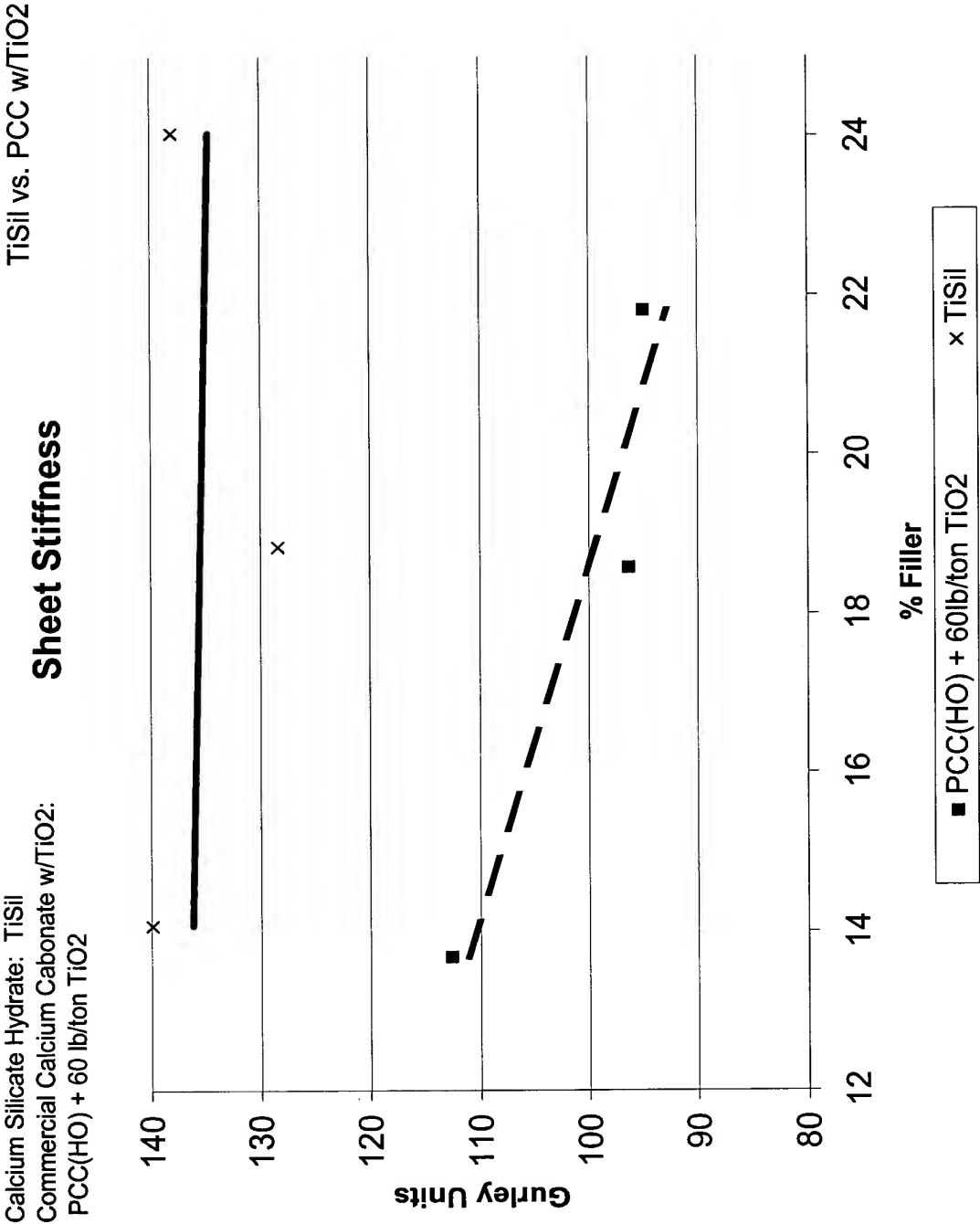


Fig 22: Sheet Stiffness results for TiSil and PCC(HO) w/TiO₂

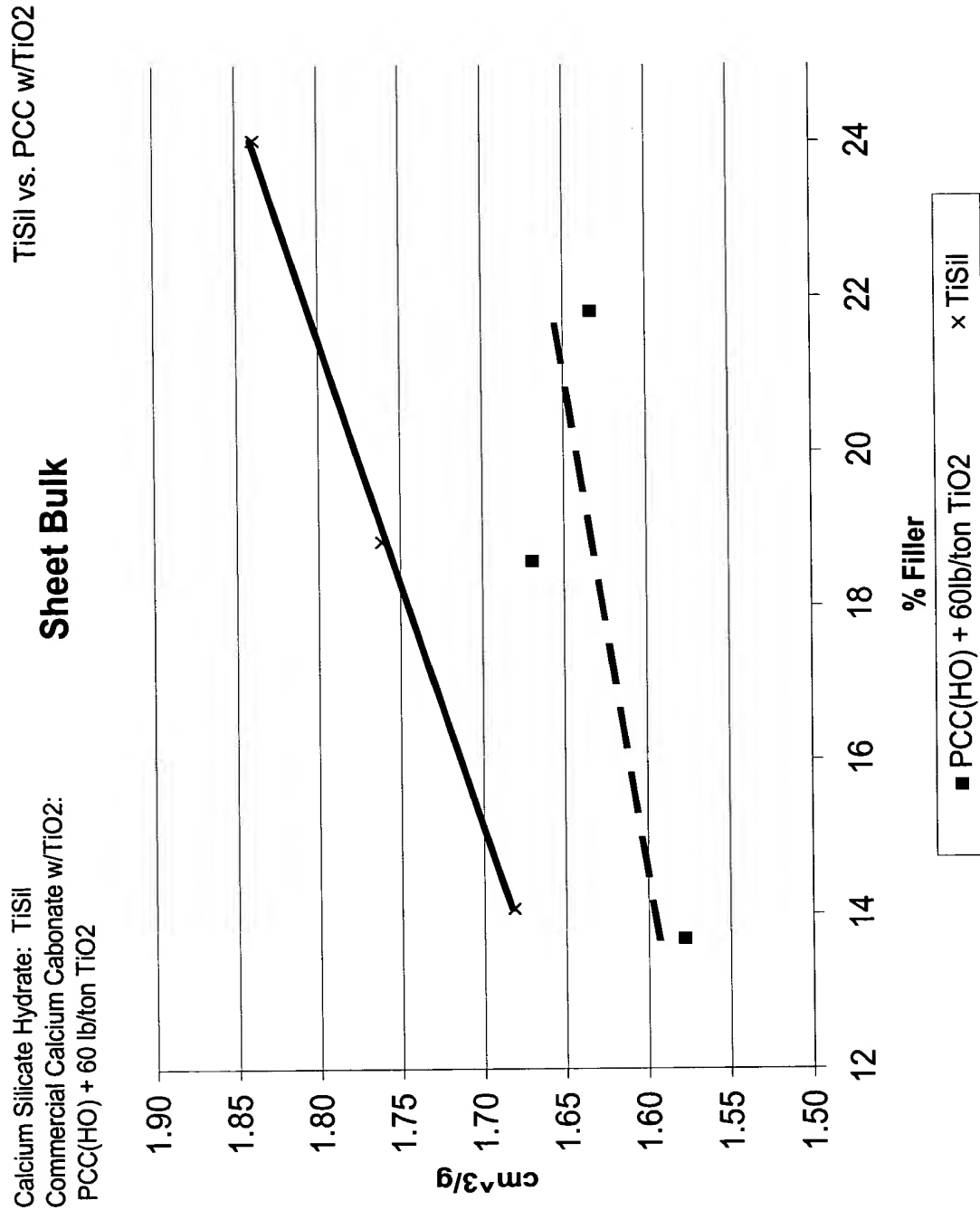


Fig 23: Sheet Bulk results for TiSil and PCC(HO) w/TiO₂

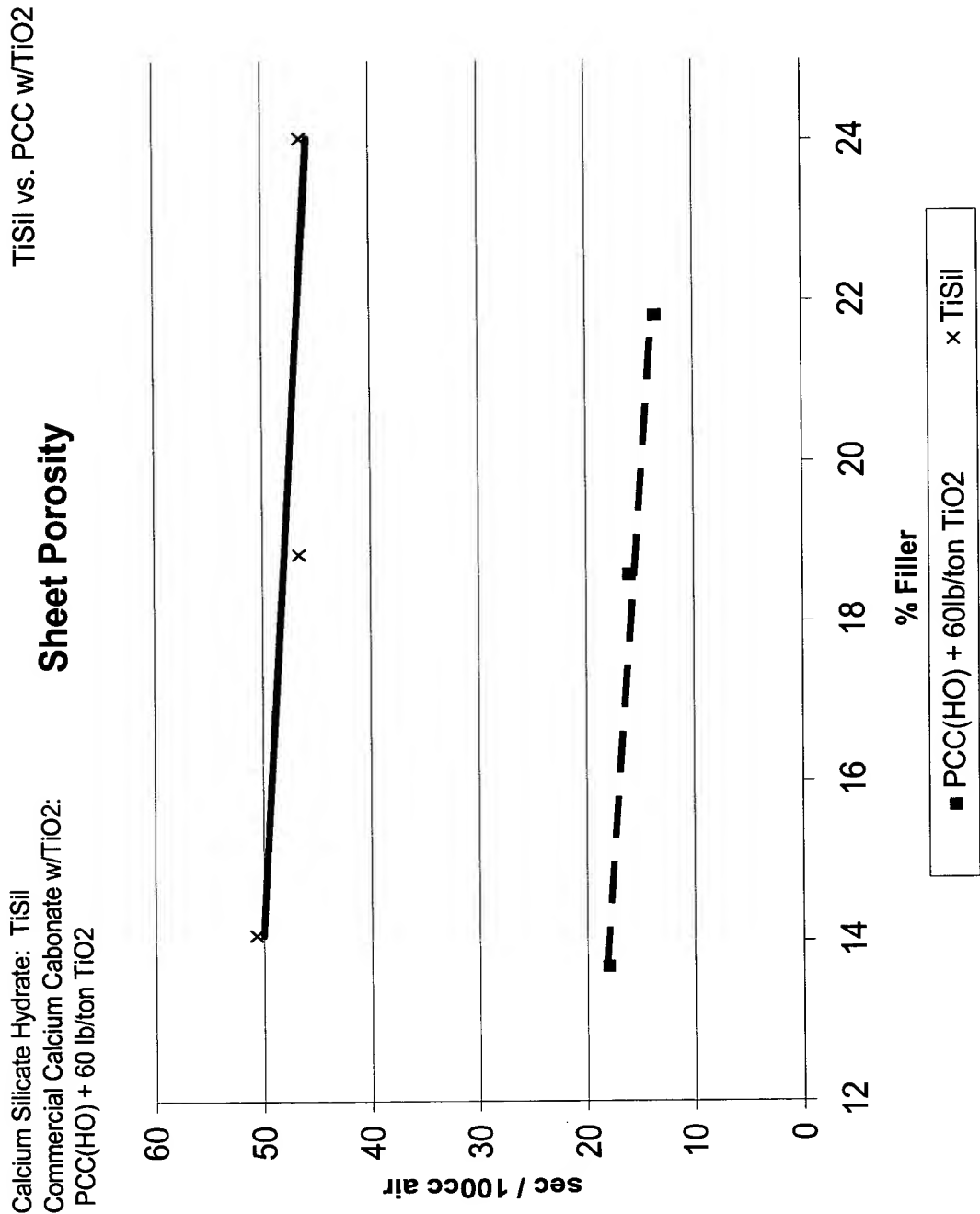


Fig 24: Sheet Porosity results for TiSil and PCC(HO) w/TiO₂

TiSil vs. PCC w/TiO₂

Calcium Silicate Hydrate: TiSil
Commercial Calcium Carbonate w/TiO₂:
PCC(HO) + 60 lb/ton TiO₂

Sheet Tensile Index

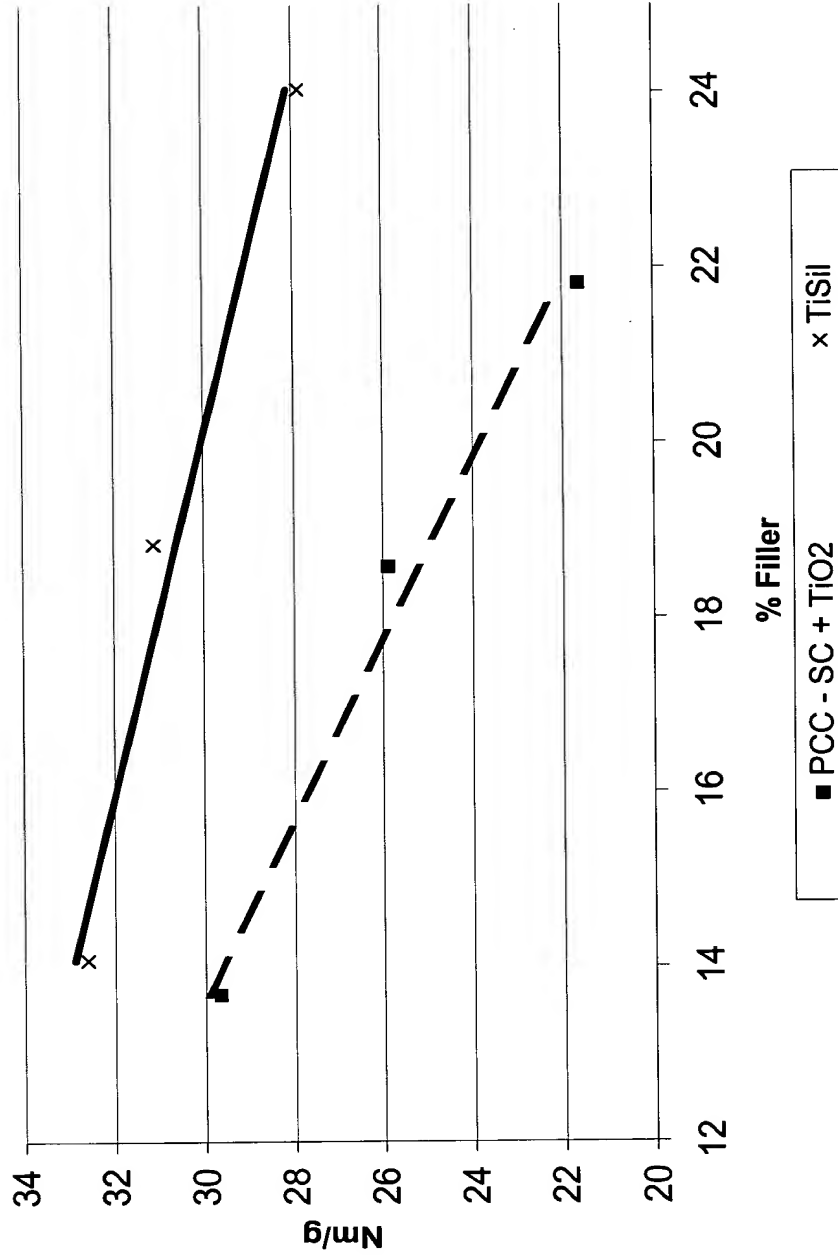


Fig 25: Sheet Tensile Index results for TiSil and PCC(HO) w/TiO₂

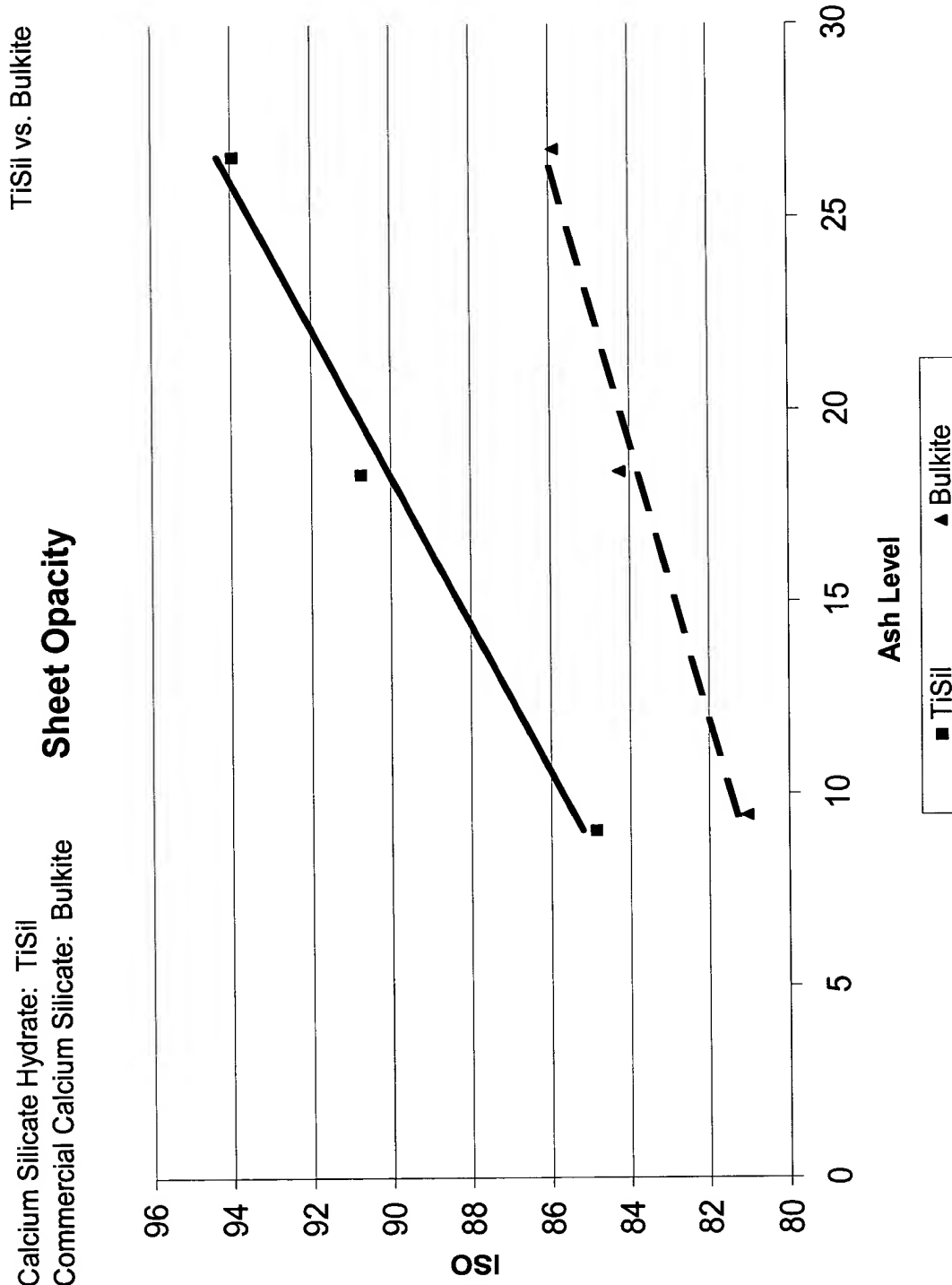


Fig 26: Sheet Opacity results for TiSil and Bulkite

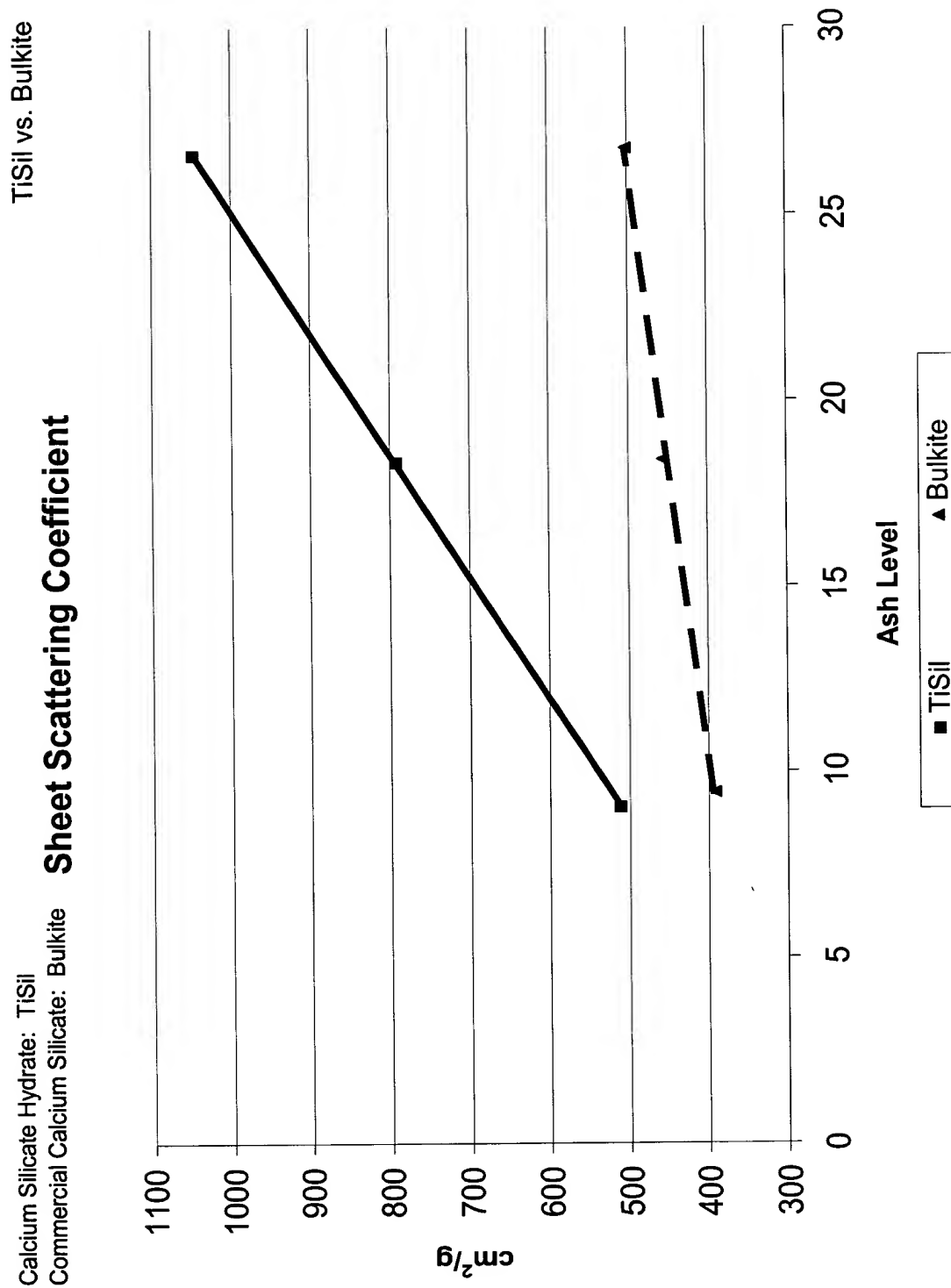


Fig 27: Sheet Scattering Coefficient results of TiSil and Bulkite

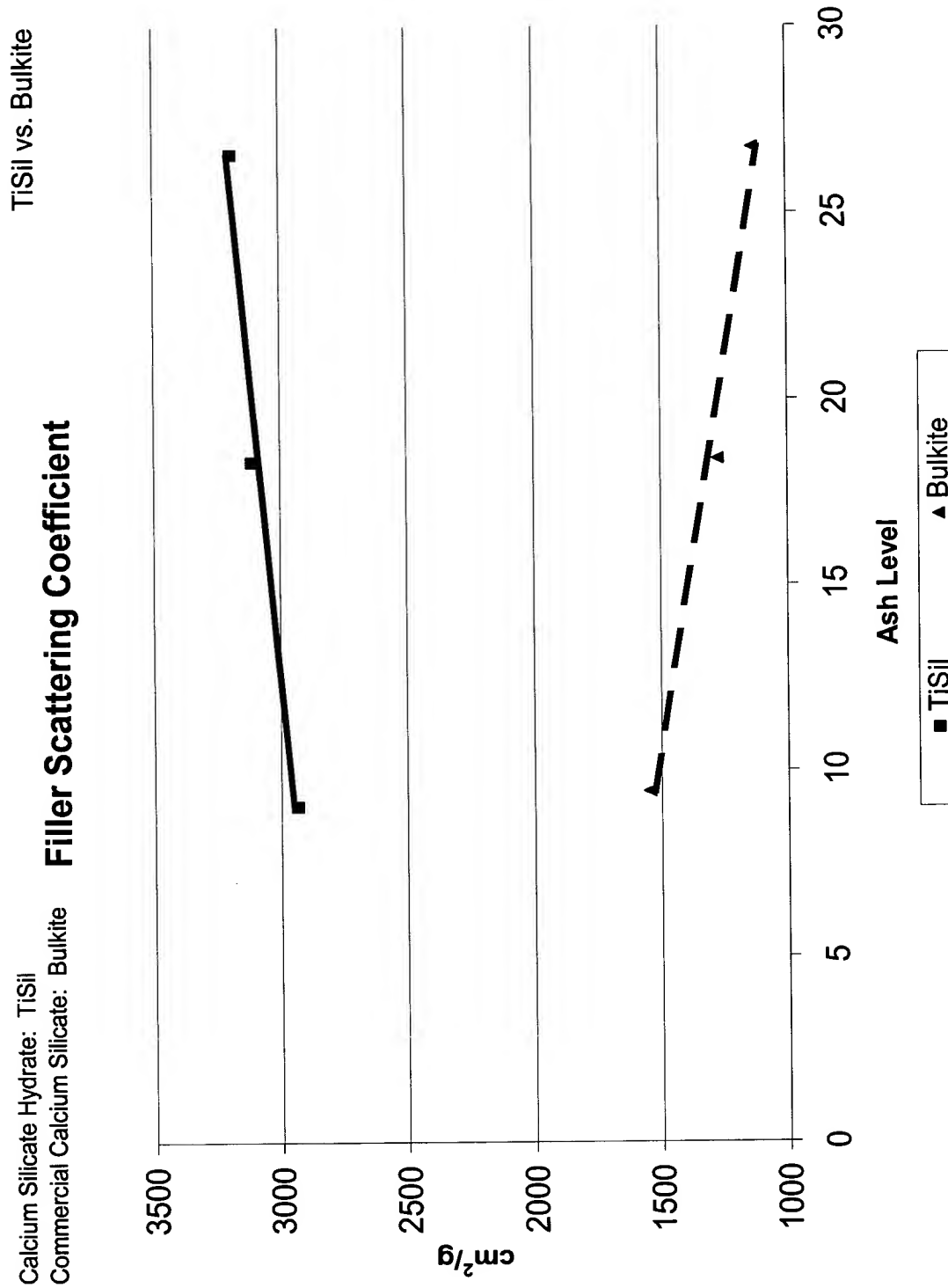


Fig 28: Filler Scattering Coefficient results for TiSil and Bulkite

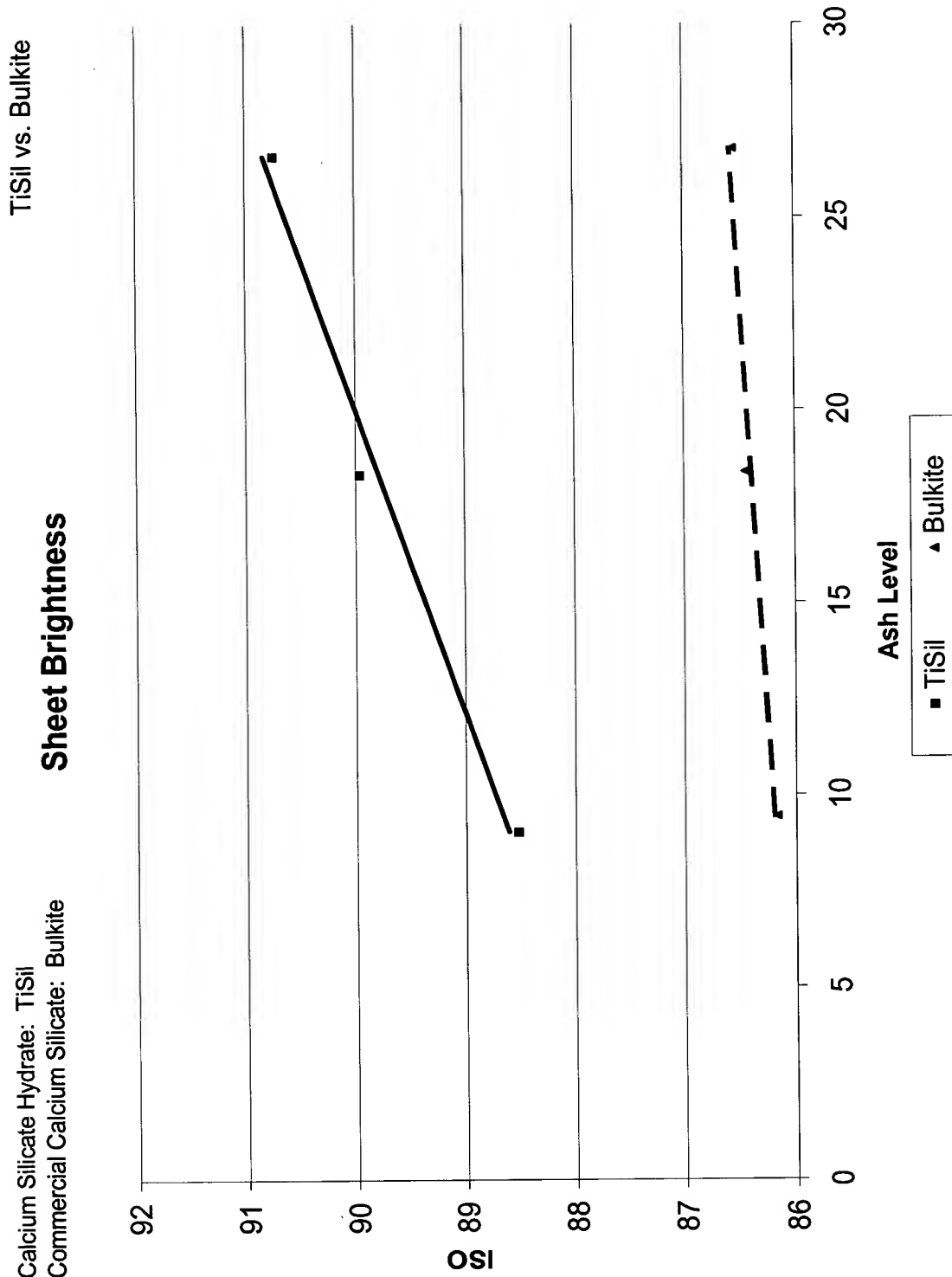


Fig 29: Sheet Brightness results for TiSil and Bulkite

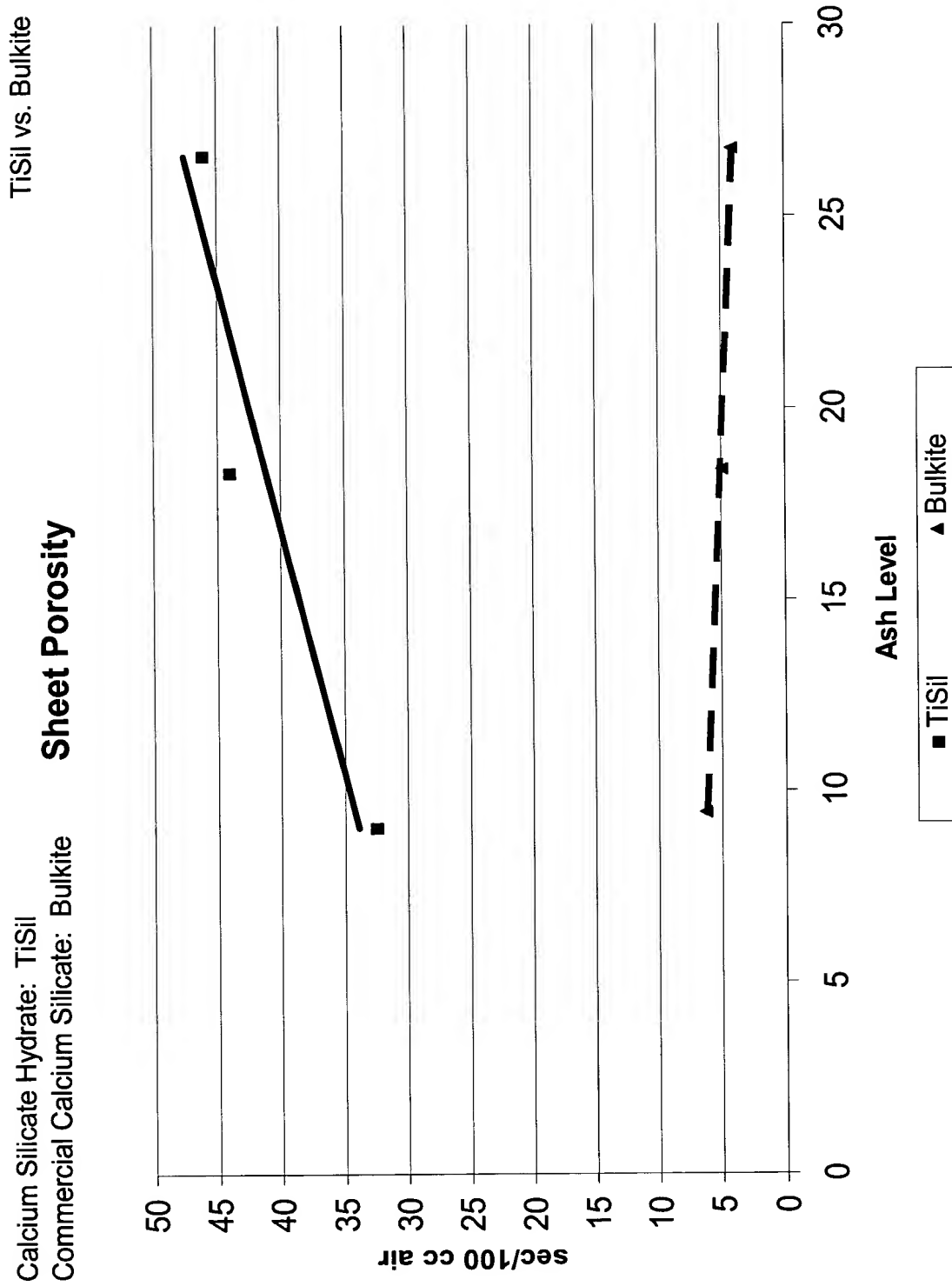


Fig 30: Sheet Porosity results for TiSil and Bulkite

TiSil vs. HuberSil and
Huber Carbonate

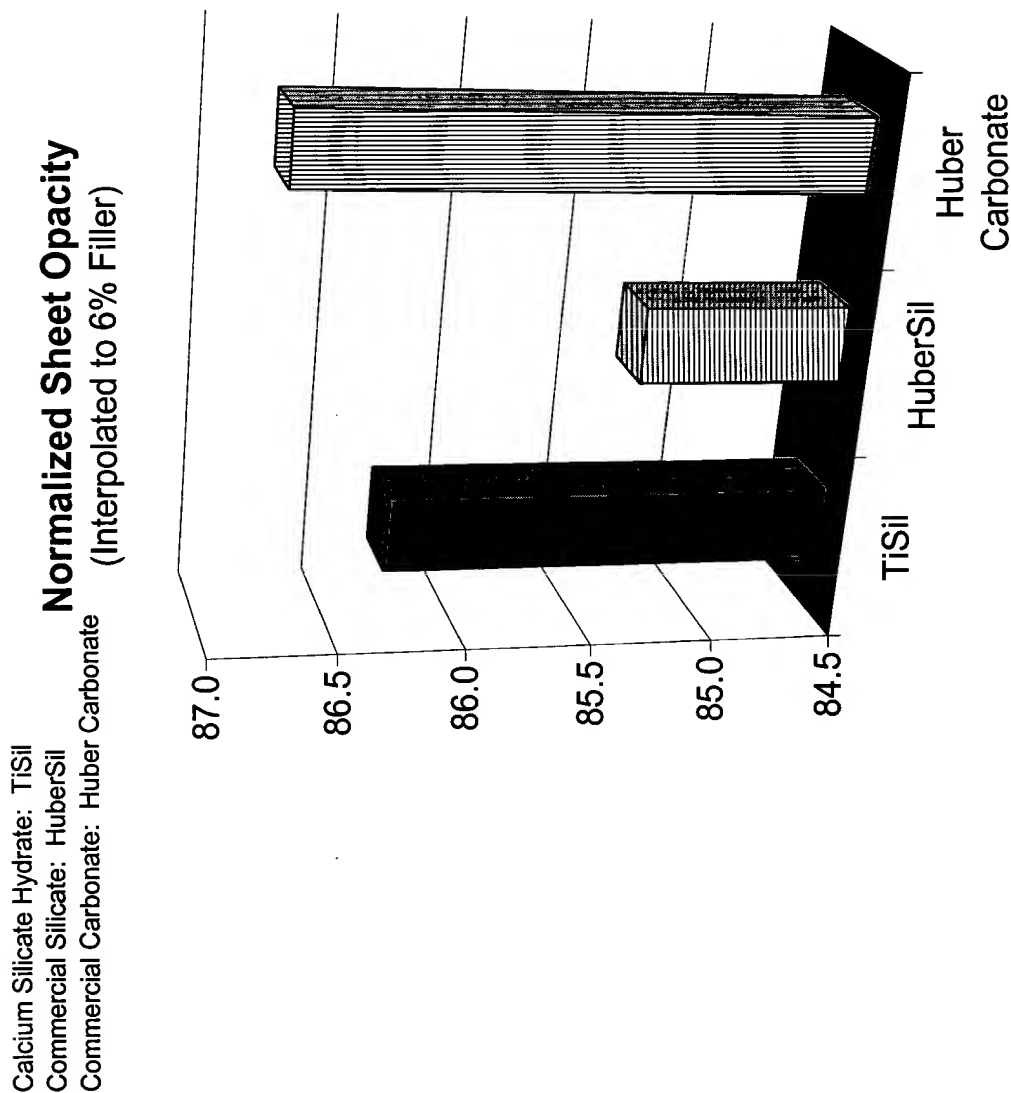


Fig 31: Normalized Sheet Opacity results for newsprint sheets containing various fillers, interpolated to 6% Ash.

TiSil vs. HuberSil and
Huber Carbonate

Sheet Ink Penetration
(Interpolated to 6% Filler)

Calcium Silicate Hydrate: TiSil
Commercial Silicate: HuberSil
Commercial Carbonate: Huber Carbonate

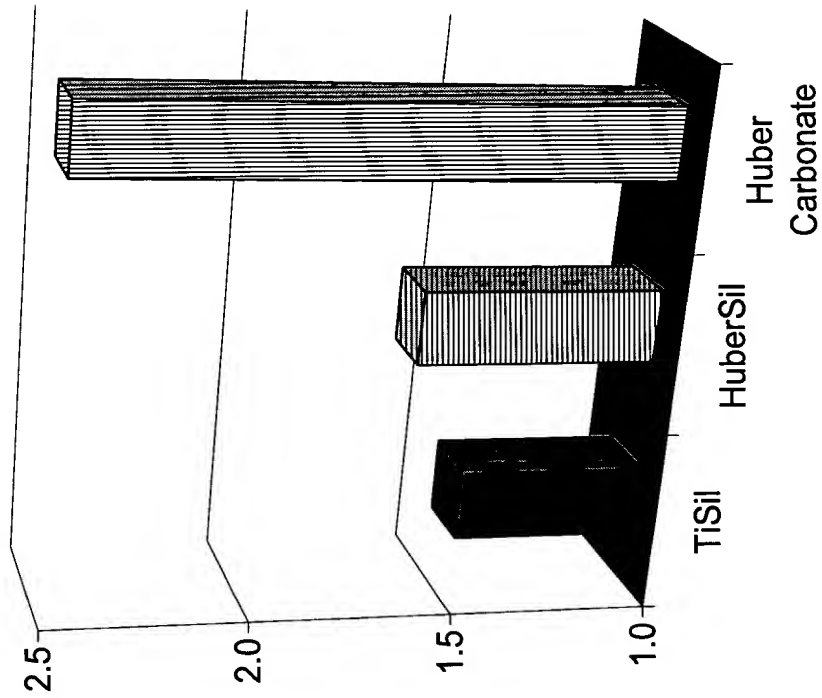


Fig 32: Sheet Ink Penetration results on newsprint sheets containing various fillers, interpolated to 6% Ash.

TiSil vs. HuberSil and
 Huber Carbonate

Calcium Silicate Hydrate: TiSil
 Commercial Silicate: HuberSil
 Commercial Carbonate: Huber Carbonate

Sheet Show Through
 (Interpolated to 6% Filler)

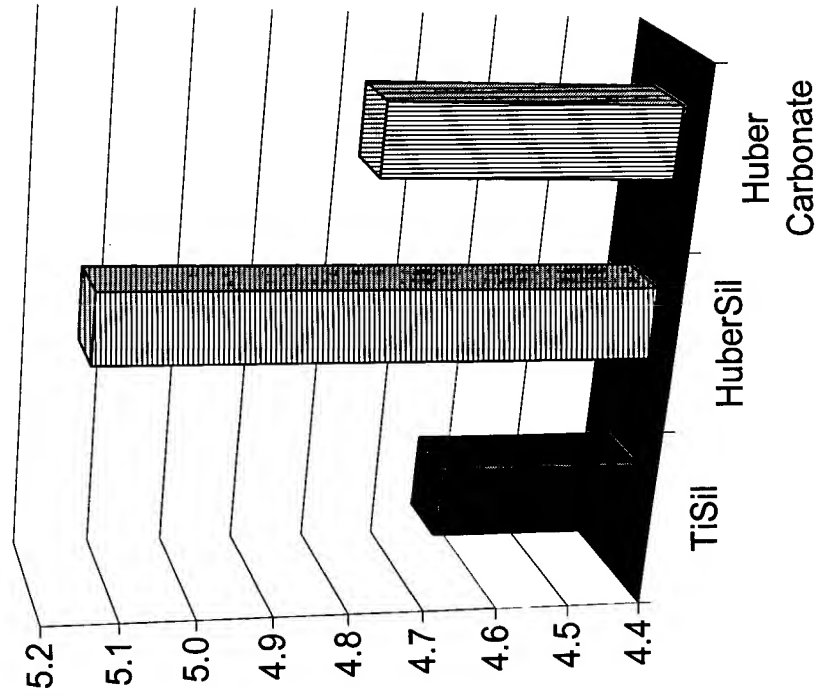


Fig 33: Sheet Show Through results on newsprint containing various fillers, interpolated to 6% Ash

TiSil vs. HuberSil and
 Huber Carbonate

Sheet Print Through
 (Interpolated to 6% Filler)

Calcium Silicate Hydrate: TiSil
 Commercial Silicate: HuberSil
 Commercial Carbonate: Huber Carbonate

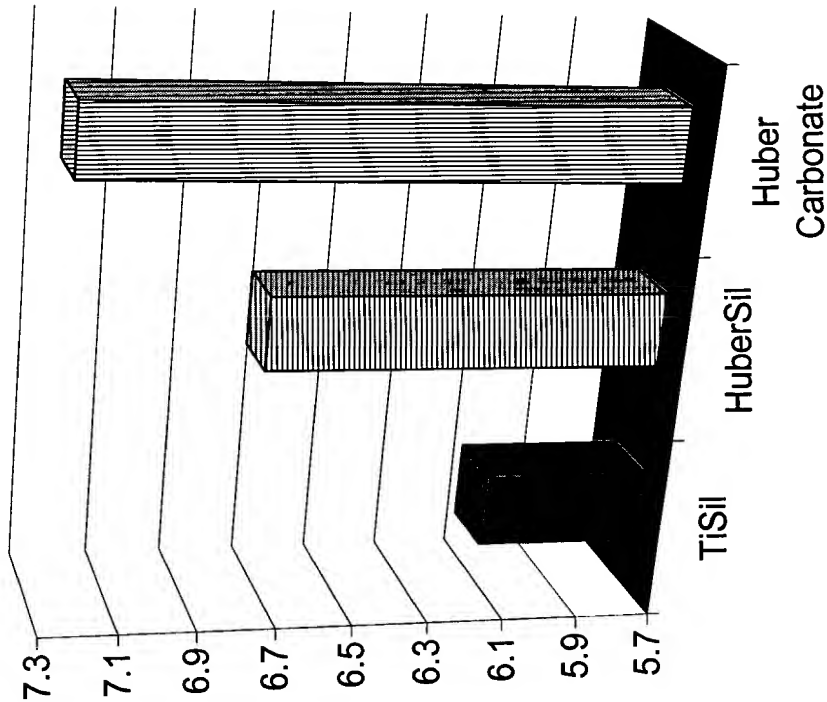


Fig. 34: Sheet Print Through results on newsprint sheets containing various fillers, interpolated to 6% Ash.

TiSil vs. HuberSil and
Huber Carbonate

Calcium Silicate Hydrate: TiSil
Commercial Silicate: HuberSil
Commercial Carbonate: Huber Carbonate

Gurley Sheet Porosity
(Interpolated to 6% Filler)

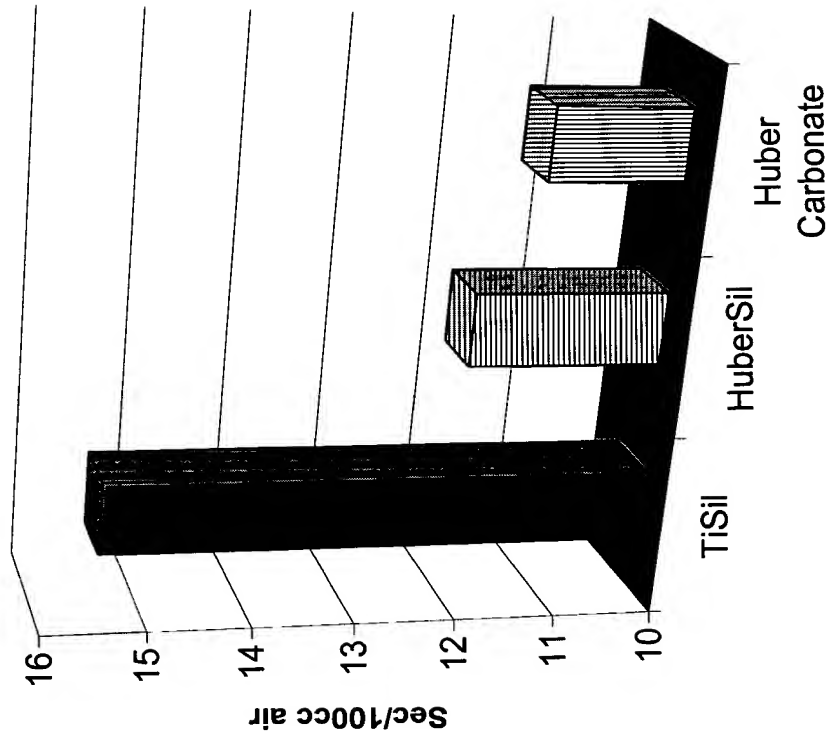


Fig 35: Gurley Sheet Porosity results for newsprint sheets containing various fillers, interpolated to 6% Ash

TiSil vs. HuberSil and
 Huber Carbonate

Calcium Silicate Hydrate: TiSil
 Commercial Silicate: HuberSil
 Commercial Carbonate: Huber Carbonate

Sheet Tensile Index
 (Interpolated to 6% Filler)

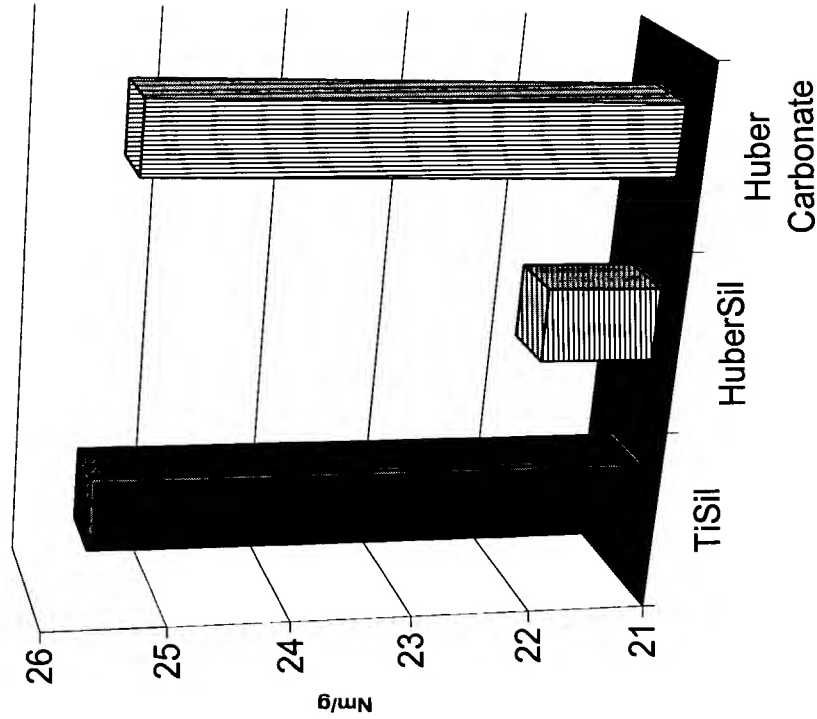


Fig 36: Sheet Tensile Index results for newsprint sheets containing various fillers, interpolated to 6% Ash

TiSil vs. HuberSil and
Huber Carbonate

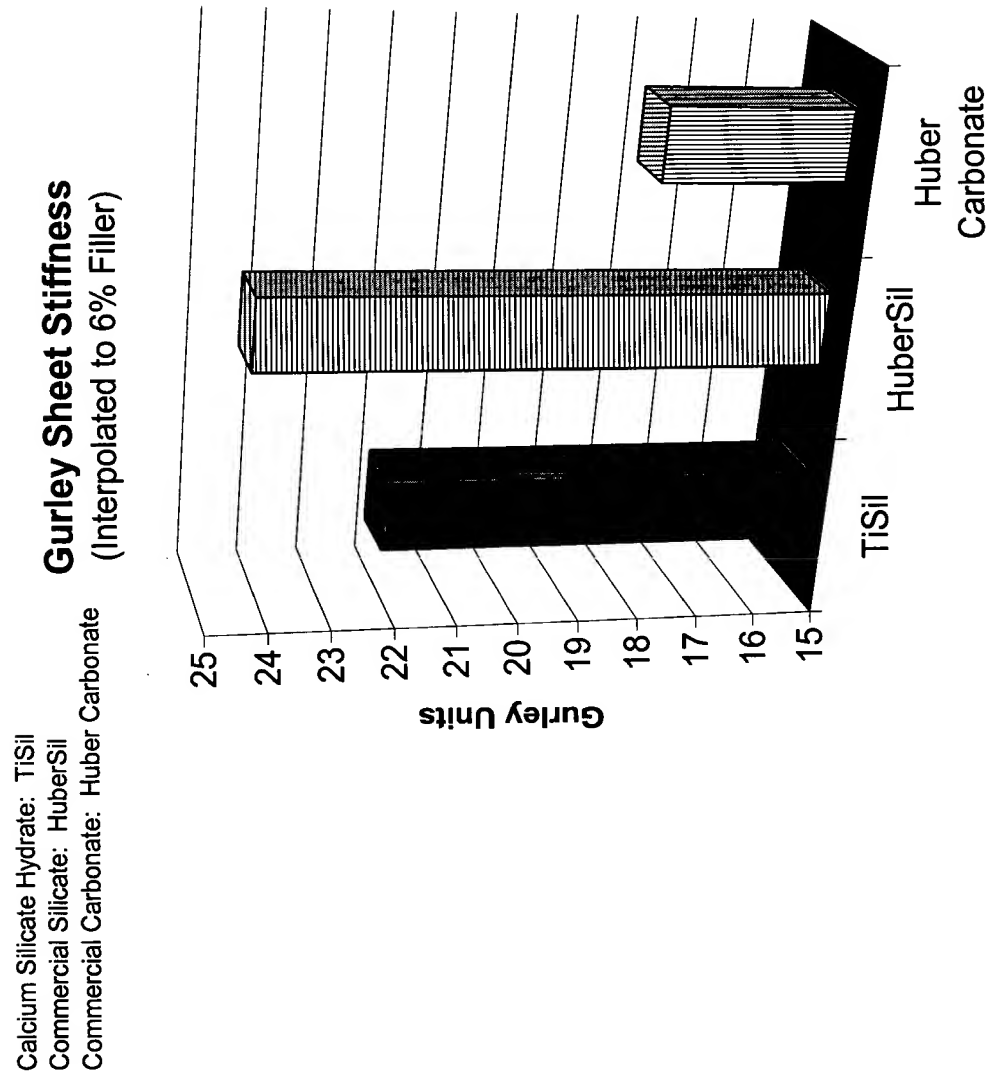


Fig 37: Gurley Sheet Stiffness results for newsprint sheets containing various fillers, interpolated to 6% Ash

TiSil vs. HuberSil and
 Huber Carbonate

Sheet Static Coefficient of Friction (Interpolated to 6% Filler)

Calcium Silicate Hydrate: TiSil
 Commercial Silicate: HuberSil
 Commercial Carbonate:
 Huber Carbonate

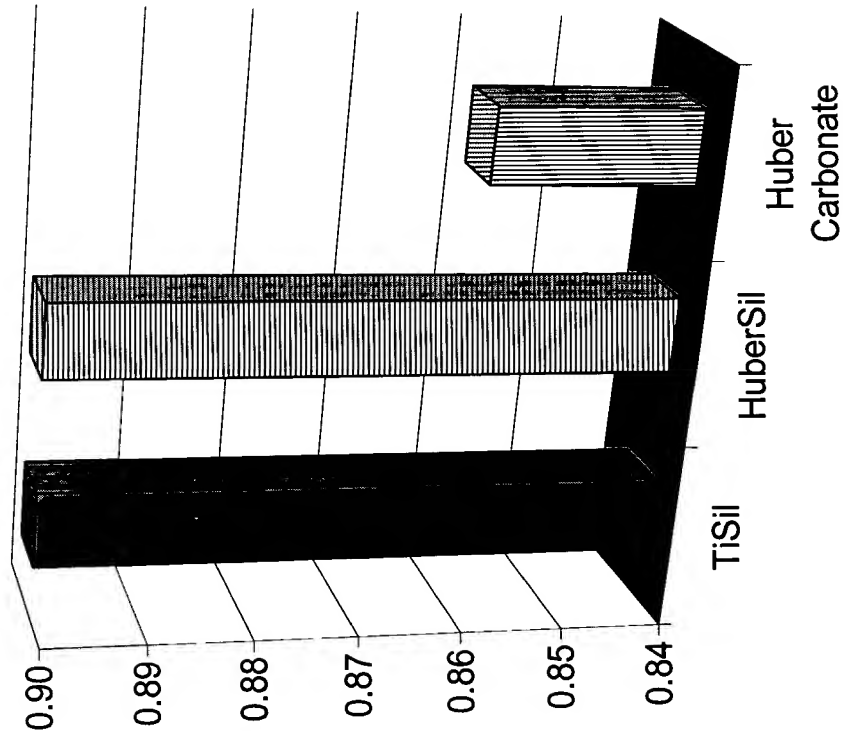


Fig 38: Sheet Static Coefficient of Friction results for newsprint sheets containing various fillers, interpolated to 6% Ash

TiSil vs. HuberSil and
Huber Carbonate

Sheffield Sheet Smoothness
(Interpolated to 6% Filler)

Calcium Silicate Hydrate: TiSil
Commercial Silicate: HuberSil
Commercial Carbonate:
Huber Carbonate

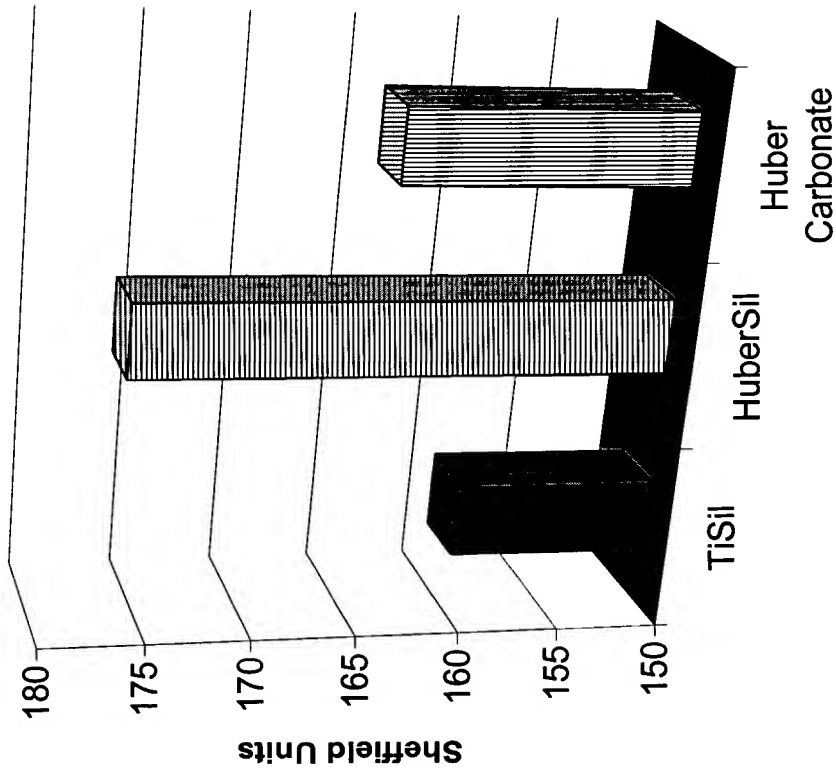


Fig 39: Sheffield Sheet Smoothness results for newsprint sheets containing various fillers, interpolated to 6% Ash.